Name_____ Date_____ Period_____

LESSON 5-3 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply Two-Digit Numbers

Builds on Grade 5 · 5.NBT.B.5

TODAY'S LESSON	You will find the rectangle inside a trapezoid, like 17 m × 10 m for the stage apron.
YOU NEED TO	Multiply two 2-digit numbers, like 13 × 11. **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the second number into tens and ones.
2. **Multiply** the first number by each part.
3. **Add** the two products.

WATCH ME

the steps in action

Find 13 × 11.

Step 1 11 = 10 + 1.

Step 2 13 × 10 = 130 and 13 × 1 = 13.

Step 3 130 + 13 = 143.

Answer **143**

TRY IT WITH HELP

fill in each step

1. Find 17 × 12.

Step 1 12 = 10 + _____

Step 2 17 × 10 = _____ and 17 × 2 = _____

Step 3 170 + 34 = _____

2. Find 24 × 16.

Step 1 16 = 10 + _____

Step 2 24 × 10 = _____ and 24 × 6 = _____

Step 3 240 + 144 = _____

YOUR TURN

use the steps on your own

3. Multiply.

a. 15 × 12 = _____ **b.** 21 × 13 = _____ **c.** 18 × 11 = _____

d. 25 × 14 = _____ **e.** 32 × 15 = _____ **f.** 19 × 16 = _____

Subtract to Find a Length

Builds on Grade 4 · 4.NBT.B.4

TODAY'S LESSON	Bases 10 in and 22 in: 22 − 10 = 12, so each end triangle gets 6 in.
YOU NEED TO	Subtract the short base from the long base. Then split the extra in half. **You will use it in Practice Form A, problems 1 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **long** base and the short base.
2. **Subtract**: long − short.
3. **Halve** it. Each matching triangle gets half.

WATCH ME

the steps in action

A trapezoid has bases 17 m and 27 m. Find the base of one end triangle.

Step 1 Long base 27, short base 17.

Step 2 27 − 17 = 10.

Step 3 10 ÷ 2 = 5.

Answer **Each end triangle has a 5 m base.**

TRY IT WITH HELP

fill in each step

4. A trapezoid has bases 8 m and 18 m. Find the base of one end triangle.

Step 1 Long base _____, short base _____

Step 2 18 − 8 = _____

Step 3 10 ÷ 2 = _____ m

5. A trapezoid has bases 12 cm and 20 cm. Find the base of one end triangle.

Step 1 Long base _____, short base _____

Step 2 20 − 12 = _____

Step 3 8 ÷ 2 = _____ cm

YOUR TURN

use the steps on your own

6. Find the base of one end triangle.

a. bases 6 and 14 _____

b. bases 9 and 21 _____

c. bases 15 and 25 _____

d. bases 4 and 16 _____

READY CHECK

a problem like the one in today's lesson

7. A trapezoid has bases 10 ft and 18 ft. What is the base of one end triangle?

A 4 ft **B** 8 ft **C** 14 ft **D** 28 ft

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____